The faces of all the bosses 16, 17 and 18, and 23 and 25 which rest contiguous to the legs 6 and 10 of the hinge plates 5 and 9 respectively are of substantially the same thickness as the link 22 or 15 for which these bosses provide clearance. Thus one outer link of each set moves in contact with one aligned pair of legs 6 and 10 against which it is retained by the adjacent link 15 or 22 of the other set of links, thereby supporting that 10 outer link against movement other than in one plane. However the spacing between adjacent links of the same set between which a link of the other set moves should be somewhat greater than the thickness of the latter link to permit freedom of movement for the said latter link and to prevent a binding condition between the links.

As it is obviously advantageous from a manufacturing standpoint to make all the bosses on all the links the same thickness I provide washers 30 around all the pins. One washer 30 rests against each boss 16, 17, 18, 23 and 25 which would otherwise bear against an adjacent link of the same set.

In the arrangement shown the length of the 25 slots 8 and 12 controls the movement of the hinge though this length of movement may be controlled in other ways if desired.

While in the foregoing the preferred embodiment of the invention has been described and 30 shown, it is understood that it is susceptible to such alterations and modifications as fall within the scope of the appended claims.

What I claim is:

1. A hinge comprising hinge plates having opposed legs in which aligned slots are formed, two sets of links arranged alternately one link of one set upon one link of the other set, bosses formed on one side of each link of one set upon each of which one link of the other set is pivoted, a pivot pin extending through all said links and said bosses, a guide pin extending through each set of links having its extremities slidable in two of the slots, and means holding each set of links in spaced and parallel relation throughout their entire length.

2. A hinge comprising two pair of angle-shaped hinge plates, said plates being arranged in opposed pairs, one pair adapted to be mounted upon a door frame and the other pair upon a door, one leg of each hinge plate being slotted, the slots in each pair of plates being opposite one another, two sets of links, all the links of each set being identical, a boss formed on one side of each link of one set upon which one link of the other set is pivoted, a pivot pin extending through all said

links and bosses, a guide pin extending through all the links of each set having its extremities slidable in one pair of opposite slots, and other bosses on said links contacting other links of the same set to hold each set of links in parallel and spaced relation to permit free movement of the links of one set between adjacent pairs of links of the other set.

3. In a hinge, the combination set forth in claim 2 wherein a washer is provided between 10 each adjacent pair of bosses.

4. A hinge comprising two sets of hinge plates, one set of plates being adapted to be mounted upon a door frame and the other upon a door, each set of hinge plates having two opposite slots 15 formed therein, two sets of links, a plurality of bosses upon one and the same side of each link of both sets, said bosses spacing the links of each set from one another, each link of one set being pivoted upon one boss of a link of the other set, 20 a pivot pin extending through all the links and the pivot bosses, a guide pin extending through all the links of each set and through a boss on each link of its set, each pin having its extremities slidable in one opposite pair of slots, and a 25 retaining pin extending through all the links of each set and through a boss on each link of its set, each retaining pin terminating at its extremities in one of the hinge plates.

5. A hinge comprising two hinge plates each 30 having an opposed pair of legs in which slots are formed, two alternately arranged sets of links, a guide pin extending through each set and having its extremities slidable in the slots formed in one opposed pair of legs, means around said guide 35 pins retaining the links in correct spaced relation. both sets of links being apertured for the passage of a pivot pin therethrough, each link of one set having a boss thereon upon which one link of the other set is pivoted, whereby the pivot pin 40 is tight in one set of links and the links of the other set are freely rotatable around the bosses on the first set, a retaining pin through each set of links the extremities of which extend into the opposed pair of legs other than the pair in which 45 the guide pin extending through that set of links is slidable, and means around each retaining pin holding the links through which it passes in spaced relation.

6. In a hinge, the combination set forth in 50 claim 5, wherein each opposed pair of slots in which the guide pins travel is differently curved to provide the desired path of movement for the hinge.

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